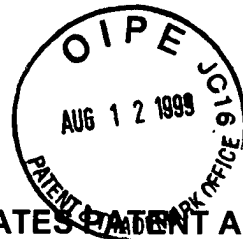


DOCKET NO.: IBIS-0012



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent application of:

**David J. Ecker, Ranga Sampath,  
Richard Griffey, John McNeil**

Serial No.: 09/310,667

Group No.: 1643

Filed: May 12, 1999

Examiner: Not Yet Assigned

For: **IDENTIFICATION OF MOLECULAR INTERACTION SITES IN RNA FOR  
NOVEL DRUG DISCOVERY**

Assistant Commissioner for Patents  
Washington, DC 20231

Sir:

**ASSOCIATE POWER OF ATTORNEY**

The undersigned, **John W. Caldwell, Esquire**, Registration No. **28,937**, of  
the firm **WOODCOCK WASHBURN KURTZ MACKIEWICZ & NORRIS LLP**, One  
Liberty Place - 46th Floor, Philadelphia, Pennsylvania 19103, Attorney and/or Agent for  
Applicant(s), hereby appoints the following:

Robert B. Washburn	Registration No. 16,574
Richard E. Kurtz	Registration No. 19,263
John J. Mackiewicz	Registration No. 19,709
Norman L. Norris	Registration No. 24,196
Albert W. Preston, Jr.	Registration No. 25,366
Dale M. Heist	Registration No. 28,425
Philip S. Johnson	Registration No. 27,200
Gary H. Levin	Registration No. 28,734
Steven J. Rocci	Registration No. 30,489
Dianne B. Elderkin	Registration No. 28,598
Francis A. Paintin	Registration No. 19,386
John P. Donohue, Jr.	Registration No. 29,916

Henrik D. Parker	Registration No. 31,863
Suzanne E. Miller	Registration No. 32,279
Lynn B. Morreale	Registration No. 32,842
Mark DeLuca	Registration No. 33,229
Joseph Lucci	Registration No. 33,307
Michael P. Dunnam	Registration No. 32,611
Michael D. Stein	Registration No. 34,734
Albert J. Marcellino	Registration No. 34,664
David R. Bailey	Registration No. 35,057
Barbara L. Mullin	Registration No. 38,250
Lynn A. Malinoski	Registration No. 38,788
Lori Y. Beardell	Registration No. 34,293
Doreen Yatko Trujillo	Registration No. 35,719
Michael P. Straher	Registration No. 38,325
Paul K. Legaard	Registration No. 38,534
Kevin M. Flannery	Registration No. 35,871
David A. Cherry	Registration No. 35,099
Anthony J. Rossi	Registration No. 24,053
Michael J. Swope	Registration No. 38,041
Michael J. Bonella	Registration No. 41,628
Harold H. Fullmer	Registration No. 42,560
William R. Richter	Registration No. 43,879
John E. McGlynn	Registration No. 42,863
Kimberly R. Hild	Registration No. 39,224
Lawrence A. Aaronson	Registration No. 38,369
Jonathan M. Waldman	Registration No. 40,861
Chad Ziegler	Registration No. 44,273
David N. Farsiou	Registration No. 44,104
Maureen Gibbons	Registration No. 44,121
Steven H. Meyer	Registration No. 37,189
John M. Paolino	Registration No. 40,340
Joseph R. Condo	Registration No. 42,431
Michael K. Jones	Registration No. 41,100
Frank T. Carroll	Registration No. 42,392
Hans J. Crosby	Registration No. P44,634
Rena Patel	Registration No. 41,412
Mark J. Rosen	Registration No. 39,822
Mitchell R. Brustein	Registration No. 38,394
Peter M. Ullman	Registration No. 43,963
Thomas E. Watson	Registration No. 43,243
Gregory L. Hillyer	Registration No. 44,154
Maria M. Kourtakis	Registration No. 41,126

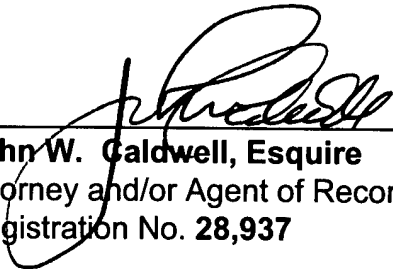
and

Herb Boswell  
Laurel Bernstein  
Henry Wu

Registration No. 27,311  
Registration No. 37,280  
Registration No. 44,412

of **ISIS PHARMACEUTICALS**, 2292 Faraday Avenue, Carlsbad, California 92008; his associates, with full power to prosecute the above-identified application and to transact all business in the Patent Office connected therewith and requests that correspondence continue to be directed to the firm of **WOODCOCK WASHBURN KURTZ MACKIEWICZ & NORRIS LLP** at the above address.

Date: August 9, 1999



**John W. Caldwell, Esquire**  
Attorney and/or Agent of Record  
Registration No. **28,937**

**WOODCOCK WASHBURN KURTZ  
MACKIEWICZ & NORRIS LLP**  
One Liberty Place - 46th Floor  
Philadelphia, PA 19103  
(215) 568-3100